UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,449	01/09/2006	Bernd Schwenzer	101215-189	1690

			EXAMINER
27387	7590	10/25/2006	SHIN, DANA H

NORRIS, MCLAUGHLIN & MARCUS, P.A.
875 THIRD AVE
18TH FLOOR
NEW YORK, NY 10022

ART UNIT	PAPER NUMBER
1635	

DATE MAILED: 10/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10/537,449		SCHWENZER ET AL.	

EXAMINER
DANA H. SHIN

ART UNIT	PAPER
1635	20061013

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

This Office communication is necessitated by errors in the CRF filed on September 29, 2006. It is found that the CRF is defective because it does not comply with sequence rules set forth in 37 CFR 1.823. See the attached CRF problem report for more information. In summary, applicants are encouraged to carefully review the RSL (Raw Sequence Listing) Error Summary attached with this Office communication.

For clarifications or questions on CFR submission, please contact Mark Spencer, whose telephone number is 571-272-2510 and fax number is 571-273-0221.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the reply.

TC 1600

JANE ZARA, PH.D.
PRIMARY EXAMINER

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _10/537,449A_

Source: _IFW/6_

Date Processed by STIC: _10/5/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission
   User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
   Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/537,449A_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
     Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
                         prevent "wrapping."

2____Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
     Numbering   use space characters, instead.

4____Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. **Please
                 ensure your subsequent submission is saved in ASCII text.**

5____Variable Length   Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules,
                       each n or Xaa can only represent a single residue. Please present the maximum number of each
                       residue having variable length and indicate in the <220>-<223> section that some may be missing.**

6____PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
     "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
                    previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
                    the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for
                    Artificial or Unknown sequences.**

7____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
     (OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                         (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
                         (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                         This sequence is intentionally skipped
                         Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
     (NEW RULES)   <210> sequence id number
                         <400> sequence id number
                         000

9____Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
     (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
                           In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10___Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
     Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
                     is Artificial Sequence. (see item 11 below)

11___Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use
                    of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown."
                    Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as
                    explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of
                    Sequence Rules

12___PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
     "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
                    listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13___Misuse of n/Xaa   "n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u>

AMC – STIC Systems Branch – 03/02/06

IFW16

```
RAW SEQUENCE LISTING              DATE: 10/05/2006
PATENT APPLICATION:  US/10/537,449A    TIME: 11:38:44

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\10052006\J537449A.raw

    3 <110> APPLICANT: Technische Universitat Dresden
    5 <120> TITLE OF INVENTION: Polynucleotides Targeted Against Htert and Use Thereof
    7 <130> FILE REFERENCE: 101215-189-2
    9 <140> CURRENT APPLICATION NUMBER: 10/537,449A
C--> 10 <141> CURRENT FILING DATE: 2006-01-09
   12 <160> NUMBER OF SEQ ID NOS: 18
   14 <170> SOFTWARE: PatentIn Ver. 2.1
   16 <210> SEQ ID NO: 1
   17 <211> LENGTH: 75
   18 <212> TYPE: DNA
   19 <213> ORGANISM: Homo sapiens
   21 <220> FEATURE:
   22 <221> NAME/KEY: mRNA
   23 <222> LOCATION: (1)..(75)
   24 <223> OTHER INFORMATION: subunit 2176-2250 of hTERT
W--> 26 <307> DATE:
   27 <308> DATABASE ACCESSION NO: AF015950
W--> 28 <309> DATABASE ENTRY DATE: AUG 1997
   30 <400> SEQUENCE: 1
   31 ctttgtcaag gtggatgtga cgggcgcgta cgacaccatc ccccaggaca ggctcacgga 60
   32 ggtcatcgcc agcat                                                 75
   35 <210> SEQ ID NO: 2
   36 <211> LENGTH: 98
   37 <212> TYPE: DNA
   38 <213> ORGANISM: Homo sapiens
   40 <220> FEATURE:
   41 <221> NAME/KEY: mRNA
   42 <222> LOCATION: (1)..(98)
   43 <223> OTHER INFORMATION: subunit 2296-2393 of hTERT
W--> 45 <307> DATE:
   46 <308> DATABASE ACCESSION NO: AF015950
W--> 47 <309> DATABASE ENTRY DATE: AUG 1997
   49 <400> SEQUENCE: 2
   50 ccagaaggcc gcccatgggc acgtccgcaa ggccttcaag agccacgtct ctaccttgac 60
   51 agacctccag ccgtacatgc gacagttcgt ggctcacc                        98
   54 <210> SEQ ID NO: 3
   55 <211> LENGTH: 23
   56 <212> TYPE: DNA
   57 <213> ORGANISM: Homo sapiens
   59 <220> FEATURE:
   60 <221> NAME/KEY: mRNA
   61 <222> LOCATION: (1)..(23)
   62 <223> OTHER INFORMATION: subunit 2183-2205 of hTERT
```

Does Not Comply Corrected Diskette Needed

insert <3007

add hyphen AUG-1997 (global error)

<3007

insert this mandatory numeric identifier above publication information. <3007 is a "header" only. It never has a response.

insert ↓ *⟨3007⟩*

RAW SEQUENCE LISTING   DATE: 10/05/2006
PATENT APPLICATION: US/10/537,449A   TIME: 11:38:44

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\10052006\J537449A.raw

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W--> 64 <307> DATE:
     65 <308> DATABASE ACCESSION NO: AF015950
W--> 66 <309> DATABASE ENTRY DATE: AUG 1997
     68 <400> SEQUENCE: 3
     69 aaggtggatg tgacgggcgc gta                              23
     72 <210> SEQ ID NO: 4
     73 <211> LENGTH: 20
     74 <212> TYPE: DNA
     75 <213> ORGANISM: Homo sapiens
     77 <220> FEATURE:
     78 <221> NAME/KEY: mRNA
     79 <222> LOCATION: (1)..(20)
     80 <223> OTHER INFORMATION: subunit 2206-2225 of hTERT      ⟨3007⟩
W--> 82 <307> DATE:
     83 <308> DATABASE ACCESSION NO: AF015950
W--> 84 <309> DATABASE ENTRY DATE: AUG 1997
     86 <400> SEQUENCE: 4
     87 cgacaccatc ccccaggaca                                   20
     90 <210> SEQ ID NO: 5
     91 <211> LENGTH: 20
     92 <212> TYPE: DNA
     93 <213> ORGANISM: Homo sapiens
     95 <220> FEATURE:
     96 <221> NAME/KEY: mRNA
     97 <222> LOCATION: (1)..(20)
     98 <223> OTHER INFORMATION: subunit 2315-2334 of hTERT      ⟨3007⟩
W--> 100 <307> DATE:
     101 <308> DATABASE ACCESSION NO: AF015950
W--> 102 <309> DATABASE ENTRY DATE: AUG 1997
     104 <400> SEQUENCE: 5
     105 cacgtccgca aggccttcaa                                  20
     108 <210> SEQ ID NO: 6
     109 <211> LENGTH: 20
     110 <212> TYPE: DNA
     111 <213> ORGANISM: Homo sapiens
     113 <220> FEATURE:
     114 <221> NAME/KEY: mRNA
     115 <222> LOCATION: (1)..(20)
     116 <223> OTHER INFORMATION: subunit 2317-2336 of hTERT      ⟨3007⟩
W--> 118 <307> DATE:
     119 <308> DATABASE ACCESSION NO: AF015950
W--> 120 <309> DATABASE ENTRY DATE: AUG 1997
     122 <400> SEQUENCE: 6
     123 cgtccgcaag gccttcaaga                                  20
     126 <210> SEQ ID NO: 7
     127 <211> LENGTH: 23
     128 <212> TYPE: DNA
     129 <213> ORGANISM: Homo sapiens
     131 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 10/05/2006
PATENT APPLICATION: US/10/537,449A   TIME: 11:38:44

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\10052006\J537449A.raw

```
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      133 <222> LOCATION: (1)..(23)
      134 <223> OTHER INFORMATION: subunit 2324-2346 of hTERT            〈2207
W--> 136 <307> DATE:
      137 <308> DATABASE ACCESSION NO: AF015950
W--> 138 <309> DATABASE ENTRY DATE: AUG 1997
      140 <400> SEQUENCE: 7
      141 aaggccttca agagccacgt ctc                                 23
      144 <210> SEQ ID NO: 8
      145 <211> LENGTH: 20
      146 <212> TYPE: DNA
      147 <213> ORGANISM: Homo sapiens
      149 <220> FEATURE:
      150 <221> NAME/KEY: mRNA
      151 <222> LOCATION: (1)..(20)
      152 <223> OTHER INFORMATION: subunit 2331-2350 hTERT            〈3007
W--> 154 <307> DATE:
      155 <308> DATABASE ACCESSION NO: AF015950
W--> 156 <309> DATABASE ENTRY DATE: AUG 1997
      158 <400> SEQUENCE: 8
      159 tcaagagcca cgtctctacc                                     20
      162 <210> SEQ ID NO: 9
      163 <211> LENGTH: 20
      164 <212> TYPE: DNA
      165 <213> ORGANISM: Homo sapiens
      167 <220> FEATURE:
      168 <221> NAME/KEY: mRNA
      169 <222> LOCATION: (1)..(20)
      170 <223> OTHER INFORMATION: subunit 2333-2352 of hTERT        〈3007
W--> 172 <307> DATE:
      173 <308> DATABASE ACCESSION NO: AF015950
W--> 174 <309> DATABASE ENTRY DATE: AUG 1997
      176 <400> SEQUENCE: 9
      177 aagagccacg tctctacctt                                     20
      180 <210> SEQ ID NO: 10
      181 <211> LENGTH: 20
      182 <212> TYPE: DNA
      183 <213> ORGANISM: Artificial Sequence
      185 <220> FEATURE:
      186 <223> OTHER INFORMATION: hTERT-AS AStel 2206-2225          〈3007
W--> 188 <307> DATE:
      189 <308> DATABASE ACCESSION NO: AF015950
W--> 190 <309> DATABASE ENTRY DATE: AUG 1997
      192 <400> SEQUENCE: 10
      193 tgtcctgggg gatggtgtcg                                     20
      196 <210> SEQ ID NO: 11
      197 <211> LENGTH: 20
      198 <212> TYPE: DNA
      199 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 10/05/2006
PATENT APPLICATION: US/10/537,449A   TIME: 11:38:44

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\10052006\J537449A.raw

```
      201 <220> FEATURE:
      202 <223> OTHER INFORMATION: hTERT-AS AStel 2315-2334         (300)
W-->  204 <307> DATE:
      205 <308> DATABASE ACCESSION NO: AF015950
W-->  206 <309> DATABASE ENTRY DATE: (AUG 1997)
      208 <400> SEQUENCE: 11
      209 ttgaaggcct tgcggacgtg                                         20
      212 <210> SEQ ID NO: 12
      213 <211> LENGTH: 20
      214 <212> TYPE: DNA
      215 <213> ORGANISM: Artificial Sequence
      217 <220> FEATURE:
      218 <223> OTHER INFORMATION: hTERT-AS AStel 2317-2336         (300)
W-->  220 <307> DATE:
      221 <308> DATABASE ACCESSION NO: AF015950
W-->  222 <309> DATABASE ENTRY DATE: (AUG 1997)
      224 <400> SEQUENCE: 12
      225 tcttgaaggc cttgcggacg                                         20
      228 <210> SEQ ID NO: 13
      229 <211> LENGTH: 20
      230 <212> TYPE: DNA
      231 <213> ORGANISM: Artificial Sequence
      233 <220> FEATURE:
      234 <223> OTHER INFORMATION: hTERT-AS AStel 2331-2350         (300)
W-->  236 <307> DATE:
      237 <308> DATABASE ACCESSION NO: AF015950
W-->  238 <309> DATABASE ENTRY DATE: (AUG 1997)
      240 <400> SEQUENCE: 13
      241 ggtagagacg tggctcttga                                         20
      244 <210> SEQ ID NO: 14
      245 <211> LENGTH: 20
      246 <212> TYPE: DNA
      247 <213> ORGANISM: Artificial Sequence
      249 <220> FEATURE:
      250 <223> OTHER INFORMATION: hTERT-AS AStel 2333-2352         (300)
W-->  252 <307> DATE:
      253 <308> DATABASE ACCESSION NO: AF015950
W-->  254 <309> DATABASE ENTRY DATE: (AUG 1997)
      256 <400> SEQUENCE: 14
      257 aaggtagaga cgtggctctt                                         20
      260 <210> SEQ ID NO: 15
      261 <211> LENGTH: 20
      262 <212> TYPE: DNA
      263 <213> ORGANISM: Artificial Sequence
      265 <220> FEATURE:
      266 <223> OTHER INFORMATION: (NS-K2)
      268 <300> PUBLICATION INFORMATION:
      269 <308> DATABASE ACCESSION NO: AF015950
W-->  270 <309> DATABASE ENTRY DATE: (AUG 1997)
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what is its source? (see item 11 on Erra Summary Sheet)

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272 <400> SEQUENCE: 15
273 cagtctcagt actgaagctg                                              20
276 <210> SEQ ID NO: 16
277 <211> LENGTH: 20
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: (NS-K3)  what is its source?
284 <300> PUBLICATION INFORMATION:
285 <308> DATABASE ACCESSION NO: AF015950
W--> 286 <309> DATABASE ENTRY DATE: AUG 1997
288 <400> SEQUENCE: 16
289 cagcttcagt actgagactg                                              20
292 <210> SEQ ID NO: 17
293 <211> LENGTH: 501
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <220> FEATURE:
298 <221> NAME/KEY: mRNA
299 <222> LOCATION: (1)..(501)
300 <223> OTHER INFORMATION: subunit 2000-2500 of hTERT
302 <300> PUBLICATION INFORMATION:
303 <308> DATABASE ACCESSION NO: AF015950
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306 <400> SEQUENCE: 17
307 aagagggccg agcgtctcac ctcgagggtg aaggcactgt tcagcgtgct caactacgag 60
308 cgggcgcggc gccccggcct cctgggcgcc tctgtgctgg gcctggacga tatccacagg 120
309 gcctggcgca ccttcgtgct gcgtgtgcgg gcccaggacc cgccgcctga gctgtacttt 180
310 gtcaaggtgg atgtgacggg cgcgtacgac accatcccccc aggacaggct cacggaggtc 240
311 atcgccagca tcatcaaacc ccagaacacg tactgcgtgc gtcggtatgc cgtggtccag 300
312 aaggccgccc atgggcacgt ccgcaaggcc ttcaagagcc acgtctctac cttgacagac 360
313 ctccagccgt acatgcgaca gttcgtggct cacctgcagg agaccagccc gctgagggat 420
314 gccgtcgtca tcgagcagag ctcctccctg aatgaggcca gcagtggcct cttcgacgtc 480
315 ttcctacgct tcatgtgcca c                                             501
318 <210> SEQ ID NO: 18
319 <211> LENGTH: 4015
320 <212> TYPE: DNA
321 <213> ORGANISM: Homo sapiens
323 <220> FEATURE:
324 <221> NAME/KEY: mRNA
325 <222> LOCATION: (1)..(4015)
326 <223> OTHER INFORMATION: hTERT
328 <300> PUBLICATION INFORMATION:
329 <308> DATABASE ACCESSION NO: AF015950
W--> 330 <309> DATABASE ENTRY DATE: AUG 1997
332 <400> SEQUENCE: 18
333 gcagcgctgc gtcctgctgc gcacgtggga agccctggcc ccggccaccc ccgcgatgcc 60
334 gcgcgctccc cgctgccgag ccgtgcgctc cctgctgcgc agccactacc gcgaggtgct 120
335 gccgctggcc acgttcgtgc ggcgcctggg gccccagggc tggcggctgg tgcagcgcgg 180
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VERIFICATION SUMMARY   DATE: 10/05/2006
PATENT APPLICATION: **US/10/537,449A**   TIME: 11:38:45

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\10052006\J537449A.raw**

```
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:26 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:1
L:28 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:1
L:45 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:2
L:47 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:2
L:64 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:3
L:66 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:3
L:82 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:4
L:84 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:4
L:100 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:5
L:102 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:5
L:118 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:6
L:120 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:6
L:136 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:7
L:138 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:7
L:154 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:8
L:156 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:8
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L:174 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:9
L:188 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:10
L:190 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:10
L:204 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:11
L:206 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:11
L:220 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:12
L:222 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:12
L:236 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:13
L:238 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:13
L:252 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:14
L:254 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:14
L:270 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:15
L:286 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:16
L:304 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:17
L:330 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:18
```

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 37 CFR §1.821(g). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. §§1.821 - 1.825 for the following reason(s):

[X] 1. This application clearly fails to comply with the requirements of 37 C.F.R. §§1.821-1.825. Applicants attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

[ ] 2. This application does not contain, as a separate part of the disclosure on paper copy, a Sequence Listing as required by 37 C.F.R. §1.821(c).

[ ] 3. A copy of the Sequence Listing in computer readable form has not been submitted as required by 37 C.F.R. §1.821(e).

[X] 4. A copy of the Sequence Listing in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. §1.822 and/or 1.823, as indicated on the attached copy of the marked-up Raw Sequence Listing.

[X] 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. §1.825(d).

[ ] 6. The paper copy of the Sequence Listing is not the same as the computer readable from of the Sequence Listing as required by 37 C.F.R. §1.821(e).

[ ] 7. Other:

Applicant Must Provide:

[X] An initial or substitute computer readable form (CRF) copy of the Sequence Listing. (If the unidentified sequences are not provided on the CRF)

[X] An initial or substitute paper copy of the Sequence Listing, as well as an amendment directing its entry into the specification. (If the unidentified sequences are not provided in the paper copy)

[X] A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. §1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d). (If a new paper and/or CRF are required)

For questions regarding compliance to these requirements, please contact:

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